

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended) A system comprising:
one or more interfaces to one or more corresponding networks coupled to plural endpoints; and
a controller adapted to receive a call request and to establish a call session between a first endpoint and a second endpoint in which media is exchanged between the first and second endpoints,
the controller adapted to further pivot the second endpoint to one other endpoint in the call session without exchanging call setup signaling with the first endpoint to enable media to be exchanged between the first endpoint and the other endpoint,
wherein pivoting the second endpoint to the other endpoint causes media to be exchanged between the first endpoint and the other endpoint without passing through the second endpoint.
2. (Original) The system of claim 1, wherein the controller is adapted to further pivot the first endpoint to another endpoint in the call session without exchanging call setup signaling with the second endpoint.
3. (Original) The system of claim 1, wherein the controller is adapted to process Session Initiation Protocol messages, the call request comprising an INVITE message.
4. (Original) The system of claim 1, wherein the controller pivots the second endpoint to the one other endpoint by sending a second call request to the other endpoint.
5. (Original) The system of claim 4, wherein the controller comprises a control portion to process call control signaling, the call control signaling comprising the call request, the controller further comprising a media engine to control communication of media packets between the first and second endpoints and between the first and the other endpoints.

6. (Original) The system of claim 5, wherein the media engine comprises network address translation information for media communication between the first endpoint and the second endpoint.

7. (Currently Amended) ~~The system of claim 6,~~ A system comprising:
one or more interfaces to one or more corresponding networks coupled to plural
endpoints; and
a controller adapted to receive a call request and to establish a call session
between a first endpoint and a second endpoint in which media is exchanged between the first
and second endpoints,
the controller adapted to further pivot the second endpoint to one other endpoint
in the call session without exchanging call setup signaling with the first endpoint to enable media
to be exchanged between the first endpoint and the other endpoint,
wherein the controller pivots the second endpoint to the one other endpoint by
sending a second call request to the other endpoint,
wherein the controller comprises a control portion to process call control
signaling, the call control signaling comprising the call requests, the controller further
comprising a media engine to control communication of media packets between the first and
second endpoints and between the first and the other endpoints,
wherein the media engine comprises network address translation information for
media communication between the first endpoint and the second endpoint,
wherein the media engine is adapted to dynamically modify the address
translation information during the call session to enable pivoting of the second endpoint to the
other endpoint.

8. (Original) The system of claim 7, wherein the controller is adapted to further pivot the first endpoint to another endpoint in the call session without exchanging call setup signaling with the second endpoint, and wherein the media engine is adapted to further dynamically modify the address translation information during the call session to enable pivoting of the first endpoint.

9. (Original) The system of claim 7, wherein the media engine comprises a storage device to store the address translation information.

10. (Currently Amended) The system of claim [[5]] 7, wherein the media engine is adapted to convert both the source and destination address of a media packet containing media using the address translation information.

11. (Original) The system of claim 10, wherein the media engine is adapted to act as a portal through which media packets between the first and second endpoints flow.

12. (Original) The system of claim 11, wherein the media engine is adapted to shield an address of the first endpoint from the second endpoint and to shield an address of the second endpoint from the first endpoint.

13. (Cancelled)

14. (Currently Amended) The article of claim [[13]] 18, wherein the instructions when executed cause the system to further change the first endpoint to another endpoint in the call session without exchanging call setup signaling with the second endpoint.

15. (Currently Amended) The article of claim [[13]] 18, wherein the instructions when executed cause the system to further send a call request to the third endpoint to change endpoints in the call session but not sending a call request to the first endpoint.

16. (Currently Amended) The article of claim [[13]] 18, wherein the instructions when executed cause the system to further receive a completion indication from the second endpoint, and in response to the completion indication, to send the call request to the third endpoint.

17. (Currently Amended) The article of claim ~~[[13]]~~ 18, wherein the instructions when executed cause the system to further send one or more requests to a media engine to establish network address translation information for media communicated through the media engine between the first and second endpoints.

18. (Currently Amended) ~~The article of claim 16, wherein the instructions when executed cause the system to further~~ An article comprising at least one storage medium containing instructions for providing a call session, the instructions when executed causing a system to:

receive a call request;

establish a call session between the first endpoint and a second endpoint in which media is exchanged between the first endpoint and the second endpoint;

change the second endpoint to a third endpoint in the call session to enable communication of media between the first endpoint and third endpoint, wherein changing the second endpoint to the third endpoint is accomplished without exchanging call setup signaling with the first endpoint;

send one or more requests to a media engine to establish network address translation information for media communicated through the media engine between the first and second endpoints; and

send one or more requests to the media engine to update the address translation information to dynamically change the second endpoint to the third endpoint in the call session.

19. (Original) The article of claim 18, wherein the instructions when executed cause the system to further send another request to the media engine to update the translation information to dynamically change the first endpoint to another endpoint.

20. (Currently Amended) The article of claim ~~[[13]]~~ 18, wherein the instructions when executed cause the system to receive the call request by receiving a Session Initiation Protocol INVITE message.

21. (Currently Amended) A method of providing a call session, comprising:
establishing a call session between a first endpoint and a second endpoint to enable ~~media~~ communication of media between the first and second endpoints through a portal;
and
pivoting the second endpoint to a third endpoint in the call session without exchanging call setup signaling with the first endpoint to enable ~~media~~ communication of media between the first and third endpoints through the portal,
wherein pivoting the second endpoint to the third endpoint comprises updating address translation information in the portal to enable the pivoting.
22. (Original) The method of claim 21, further comprising sending a call request to the third endpoint, but not sending a call request to the first endpoint, to pivot the second endpoint to the third endpoint in the call session.
23. (Cancelled)
24. (Currently Amended) The method of claim ~~[[23]]~~ 21, further comprising ~~storing network address translation information in the media portal and performing network address translation, at the media portal~~ using the address translation information, of addresses contained in the media packets communicated through the portal.
25. (Currently Amended) The method of claim 24, wherein performing the ~~network~~ address translation comprises performing ~~network~~ address translation of both the source and destination address of each media packet.
26. (Currently Amended) The method of claim 25, further comprising the ~~media~~ portal shielding an address of the first endpoint from either of the second or third endpoint and shielding an address of either the second or third endpoint from the first endpoint.

27. (Original) The method of claim 21, wherein establishing the call session comprises establishing a Session Initiation Protocol session.

28. (New) The method of claim 21, further comprising creating the address translation information in the portal while establishing the call session between the first and second endpoints.

29. (New) The method of claim 21, wherein media is communicated between the first endpoint and third endpoint without passing through the second endpoint.